

## Plant Breeding Theory & Practice (2nd Enlarged Ed.)



Filesize: 8.34 MB

### ***Reviews***

*Undoubtedly, this is actually the finest work by any author. Of course, it is perform, nonetheless an amazing and interesting literature. You will like just how the article writer publish this book.*  
*(Dr. Isom Dibbert Jr.)*

## PLANT BREEDING THEORY & PRACTICE (2ND ENLARGED ED.)



Scientific Publishers, 2011. Hardcover. Book Condition: New. This book attempts to present a readable format on plant breeding principles and their application, based on the collective experience of the three authors (Stoskopf et al.) but with a heavy dependence on the scientific literature. This is also long-awaited replacement for older texts in senior undergraduate plant breeding. The authors have produced an up-to-date treatment of the art and science of plant breeding in language and have concisely discussed all of the main topics in plant breeding from Genetics to field-plot design while adding thoughtful discussions on emerging technologies and breeding methods. Plant breeding books are usually difficult reading, but this book by three knowledgeable professionals is an exception. The format is readable and easily understood, contents are complete and heavily referenced. A feature that this reviewer liked is a detailed figure captions that presents the new information, not the usual "rehash" of the text-material. Figures usually concentrate on specific plant applications, while the text emphasizes general concepts and principles. The three authors, representing separate disciplines, developed the book from a course for senior under-graduate students, also it has an application for the students in horticulture, field crops and forestry. Twenty-three chapters cover a range of topics form the history of plant breeding through genetic variation, hybridization, breeding methods, in-breeding and cross-breeding, hybrids, mutations, asexual breeding and commercial aspects. A highly recommended work for libraries maintaining agricultural, horticultural and other plant science collections. Contents: 1 Plant Breeding : Historical Perspective The earliest Steps in Plant Breeding, Plant Breeding Following Hybridization, Plant Breeding Until 1900, Overview of Plant Breeding Developments Before 1900, Plant Breeding About 1900, References. 2. Reproduction in Plants Self - and Cross - fertilization in Plants, Mechanisms Influencing, Pollination, Asexual Reproduction, Determination of Pollination Systems, References. 3 Genetic and Cytogenetic...



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